

# CRF Errors Corrected by the STIC Systems Branch

# 5 O/PK 2570 2573

Serial Number: 10/050,189A

CRF Processing Date: 5/14/2002  
 Edited by: [Signature]  
 Verified by: [Signature] (STIC staff)

ENTERED

- ☐ Changed a file from non-ASCII to ASCII
- ☐ Changed the margins in cases where the sequence text was "wrapped" down to the next line.
- ☐ Edited a format error in the Current Application Data section, specifically: \_\_\_\_\_
- ☐ Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☐ the prior application data; or ☐ other \_\_\_\_\_
- ☐ Added the mandatory heading and subheadings for "Current Application Data".
- ☐ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.
- ☐ Changed the spelling of a mandatory field (the headings or subheadings), specifically: \_\_\_\_\_
- ☐ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were: \_\_\_\_\_
- ☐ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited: \_\_\_\_\_
- ☐ Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.
- ☐ Inserted colons after headings/subheadings. Headings edited included: \_\_\_\_\_
- ☐ Deleted extra, invalid, headings used by an applicant, specifically: \_\_\_\_\_
- ☒ Deleted: ☒ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at end of file; ☐ page numbers throughout text; ☐ other invalid text, such as \_\_\_\_\_
- ☐ Inserted mandatory headings, specifically: \_\_\_\_\_
- ☐ Corrected an obvious error in the response, specifically: \_\_\_\_\_
- ☐ Edited identifiers where upper case is used but lower case is required, or vice versa.
- ☐ Corrected an error in the Number of Sequences field, specifically: \_\_\_\_\_
- ☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.
- ☐ Deleted **ending** stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: \_\_\_\_\_
- ☒ Other: globally aligned amino acid numbers

\*Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.

3/1/95



OIPE

## RAW SEQUENCE LISTING

DATE: 05/14/2002

PATENT APPLICATION: US/10/050,189A

TIME: 18:27:06

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF3\05142002\J050189A.raw

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5 <110> APPLICANT: Rubin, Berish
7   Anderson, Sylvia
10 <120> TITLE OF INVENTION: Detection of Mutations in a Gene Encoding IKB Kinase-
Complex-Associated
11   Protein to Diagnose Familial Dysautonomia
14 <130> FILE REFERENCE: Rubin 201
C--> 17 <140> CURRENT APPLICATION NUMBER: US/10/050,189A
18 <141> CURRENT FILING DATE: 2002-01-16
20 <160> NUMBER OF SEQ ID NOS: 13
22 <170> SOFTWARE: PatentIn version 3.1
26 <210> SEQ ID NO: 1
28 <211> LENGTH: 19
30 <212> TYPE: DNA
32 <213> ORGANISM: Homo sapiens
36 <400> SEQUENCE: 1
37 gcagcaatca tgtgtccca                               19
40 <210> SEQ ID NO: 2
42 <211> LENGTH: 20
44 <212> TYPE: DNA
46 <213> ORGANISM: Homo sapiens
50 <400> SEQUENCE: 2
51 gattctcagc tttctcatgc                               20
54 <210> SEQ ID NO: 3
56 <211> LENGTH: 18
58 <212> TYPE: PRT
60 <213> ORGANISM: Homo sapiens
64 <400> SEQUENCE: 3
66 Asp Pro Val Ser Arg Glu Val Lys Asn Glu Val Ser Leu Val Ala Glu
67 1           5           10           15
69 Gly Phe
73 <210> SEQ ID NO: 4
75 <211> LENGTH: 7
77 <212> TYPE: DNA
79 <213> ORGANISM: Homo sapiens
83 <400> SEQUENCE: 4
84 gtaagtg                                              7
87 <210> SEQ ID NO: 5
89 <211> LENGTH: 7
91 <212> TYPE: DNA
93 <213> ORGANISM: Homo sapiens
97 <400> SEQUENCE: 5
98 gtaagcg                                              7
101 <210> SEQ ID NO: 6
103 <211> LENGTH: 18

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## RAW SEQUENCE LISTING

DATE: 05/14/2002

PATENT APPLICATION: US/10/050,189A

TIME: 18:27:06

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF3\05142002\J050189A.raw

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105 <212> TYPE: DNA
107 <213> ORGANISM: Homo sapiens
111 <400> SEQUENCE: 6
112 gagaacaaca agattcgc 18
115 <210> SEQ ID NO: 7
117 <211> LENGTH: 20
119 <212> TYPE: DNA
121 <213> ORGANISM: Homo sapiens
125 <400> SEQUENCE: 7
126 agtcgcaaac agtacaatgg 20
129 <210> SEQ ID NO: 8
131 <211> LENGTH: 20
133 <212> TYPE: DNA
135 <213> ORGANISM: Homo sapiens
139 <400> SEQUENCE: 8
140 gcagttaatg gagagtggct 20
143 <210> SEQ ID NO: 9
145 <211> LENGTH: 18
147 <212> TYPE: DNA
149 <213> ORGANISM: Homo sapiens
153 <400> SEQUENCE: 9
154 atgcttggtta cttggctg 18
157 <210> SEQ ID NO: 10
159 <211> LENGTH: 117
161 <212> TYPE: DNA
163 <213> ORGANISM: Homo sapiens
167 <400> SEQUENCE: 10
168 cccaggaca caaagcttgt attacagatg ccaaggggaa acttagaagt tgttcacat 60
170 cgagccctgg ttttagctca gattcggaag tggttggaca aacttatggt taaagag 117
173 <210> SEQ ID NO: 11
175 <211> LENGTH: 39
177 <212> TYPE: PRT
179 <213> ORGANISM: Homo sapiens
183 <400> SEQUENCE: 11
185 Pro Gln Asp Thr Lys Leu Val Leu Gln Met Pro Arg Gly Asn Leu Glu
186 1 5 10 15
188 Val Val His His Arg Ala Leu Val Leu Ala Gln Ile Arg Lys Trp Leu
189 20 25 30
191 Asp Lys Leu Met Phe Lys Glu
192 35
194 <210> SEQ ID NO: 12
196 <211> LENGTH: 43
198 <212> TYPE: DNA
200 <213> ORGANISM: Homo sapiens
204 <400> SEQUENCE: 12
205 cccaggaca caaagcttgt attacagact tatgttttaa gag 43
208 <210> SEQ ID NO: 13
210 <211> LENGTH: 12
212 <212> TYPE: PRT

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## RAW SEQUENCE LISTING

DATE: 05/14/2002

PATENT APPLICATION: US/10/050,189A

TIME: 18:27:07

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF3\05142002\J050189A.raw

214 &lt;213&gt; ORGANISM: Homo sapiens

218 &lt;400&gt; SEQUENCE: 13

220 Pro Gln Asp Thr Lys Leu Val Leu Gln Thr Tyr Val

221 1 5 10

VERIFICATION SUMMARY

DATE: 05/14/2002

PATENT APPLICATION: US/10/050,189A

TIME: 18:27:08

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF3\05142002\J050189A.raw

L:17 M:270 C: Current Application Number differs, Replaced Current Application Number



OIPE

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/050,189A

DATE: 05/07/2002

TIME: 13:52:05

Input Set : A:\EP.txt

Output Set: N:\CRF3\05072002\J050189A.raw

*Does Not Comply  
Corrected Diskette Needed*

5 <110> APPLICANT: Rubin, Berish  
7 Anderson, Sylvia  
10 <120> TITLE OF INVENTION: Detection of Mutations in a Gene Encoding IKB Kinase-  
Complex-Associated  
11 Protein to Diagnose Familial Dysautonomia  
14 <130> FILE REFERENCE: Rubin 201  
C--> 17 <140> CURRENT APPLICATION NUMBER: US/10/050,189A  
18 <141> CURRENT FILING DATE: 2002-01-16  
20 <160> NUMBER OF SEQ ID NOS: 13  
22 <170> SOFTWARE: PatentIn version 3.1

## ERRORED SEQUENCES

54 <210> SEQ ID NO: 3  
56 <211> LENGTH: 18  
58 <212> TYPE: PRT  
60 <213> ORGANISM: Homo sapiens  
64 <400> SEQUENCE: 3  
66 Asp Pro Val Ser Arg Glu Val Lys Asn Glu Val Ser Leu Val Ala Glu  
E--> 67 1 5 10  
E--> 68 15  
71 Gly Phe  
175 <210> SEQ ID NO: 11  
177 <211> LENGTH: 39  
179 <212> TYPE: PRT  
181 <213> ORGANISM: Homo sapiens  
185 <400> SEQUENCE: 11  
187 Pro Gln Asp Thr Lys Leu Val Leu Gln Met Pro Arg Gly Asn Leu Glu  
E--> 188 1 5 10  
E--> 189 15  
192 Val Val His His Arg Ala Leu Val Leu Ala Gln Ile Arg Lys Trp Leu  
E--> 193 20 25  
E--> 194 30  
197 Asp Lys Leu Met Phe Lys Glu  
E--> 198 35  
215 <210> SEQ ID NO: 13  
217 <211> LENGTH: 12  
219 <212> TYPE: PRT  
221 <213> ORGANISM: Homo sapiens  
225 <400> SEQUENCE: 13  
227 Pro Gln Asp Thr Lys Leu Val Leu Gln Thr Tyr Val  
E--> 228 1 5  
E--> 233 1

*misaligned  
amino acid nos.*

10

RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/10/050,189A

DATE: 05/07/2002  
TIME: 13:52:06

Input Set : A:\EP.txt  
Output Set: N:\CRF3\05072002\J050189A.raw

Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:3; Line(s) 67  
Seq#:11; Line(s) 193

## VERIFICATION SUMMARY

DATE: 05/07/2002

PATENT APPLICATION: US/10/050,189A

TIME: 13:52:06

Input Set : A:\EP.txt

Output Set: N:\CRF3\05072002\J050189A.raw

L:17 M:270 C: Current Application Number differs, Replaced Current Application Number  
L:67 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:3  
M:332 Repeated in SeqNo=3  
L:188 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:11  
M:332 Repeated in SeqNo=11  
L:228 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:13  
M:332 Repeated in SeqNo=13